Robotics and Autonomous Systems (RAS) MS Degree Check Sheet MAE Concentration

Non-Thesis: Portfolio

ID		Date Admit Term	
Core Cou	ırses (6 credit hours)		Term Taken
1 MAE 501	Linear Algebra in Engineering		3
2 MAE 547	Modeling and Control of Robots		3
Required	I MAE Concentration Courses (6 credit h	ours)	
	a required course. Select ONE additional concentration		
	8: Digital Control: Design and Implementation	MAE 502: Partial Differential Equa	tions
	12: Design Geometry and Kinematics	MAE 514: Vibration Analysis	
	27: Finite Element for Engineers	MAE 521: Structural Optimization	
	66: Rotary Wing Aerodynamics	MAE 598: Multi-Robot Systems	
	98: LMI Methods in Optimal and Robust Control	MAE 598: Bio-Inspired Robots	
MAE 50	77: Fundamentals of Control and Optimization		
1 MAE 506	Advanced System Modeling, Dynamics, ar	nd Control	3
2	· · · · · · · · · · · · · · · · · · ·		3
All concer 1 2 3 4	wo courses (6 credit hours) must be non-MA ntration courses can be found at the followin	ng link: RAS Electives	3 3 3 3 3
6			3
		TOTAL	30
<u>Culminat</u>	ting Event: Portfolio		
chosen by	olio consists of two projects completed by the student, from the student's iPOS. A papering the knowledge obtained, plus a cover page	summarizing the projects and	